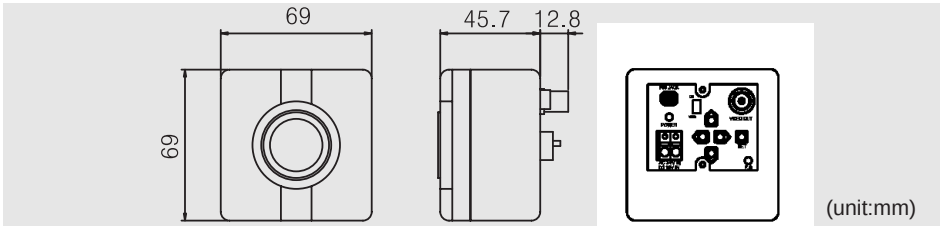
CamTron Industrial Inc. Tel : 82-2-402-5083 Fax : 82-2-402-5391 http://www.camtron.co.kr E-mail : camtron@camtron.co.kr
GENIE CCTV LTD (Distributor in UK) Tel : 44(0)-1707-330541 Fax : 44(0)-1707-330543 E-mail : steve@geniecctv.com

All specifications are subject to change without prior notice.

1/3″ SONY Color Camera

CTCC-5351

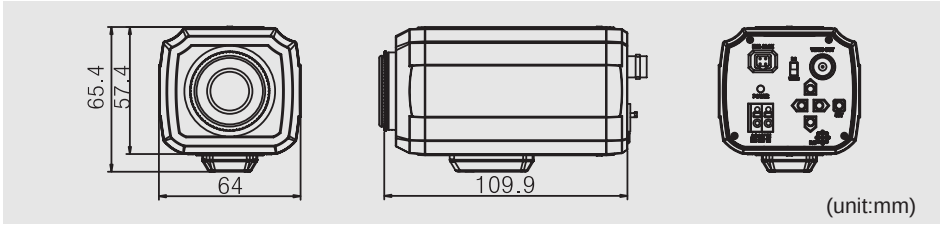


【F eatures】
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Digital Day&Night function built-in**
- **DNR (Digital Noise Reduction) mode built-in**
- **Excellent Auto Tracking White Balance & Color Rolling Suppression**
- **Digital Output (ITU-656) optional**
- **Multi OSD function built-in**

【Specifications】
- Effective Pixels : 380K(N), 440K(P)
- Resolution : More than 520TVL
- Min. Illumination : Color - 0.3lx. at F1.2 , B/W - 0.002lx. (Sense-up) at F1.2
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/120,000sec.
- S/N Ratio : More than 50dB (AGC off)
- ATW Color Temp. Range : 1,800°K ~ 10,500°K
- OSD Functions
  Main Mode : Lens (Manual, DC) , ESC (On/Off, Flickerless), White Balance, BLC, AGC, DNR, Sense-Up (Auto x2~x128,Off)
  Special Mode : Camera ID, Digital Day&Night (On, Auto), SYNC, Sharpness (0~31), Privacy & Motion Detection (4 Zone Position & Size)
- Power Supply : 12VDC Only (Max.160mA)
- Weight : 320g

1/3″ SONY Color Camera

CTCC-5352



【Features】
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Digital Day&Night function built-in**
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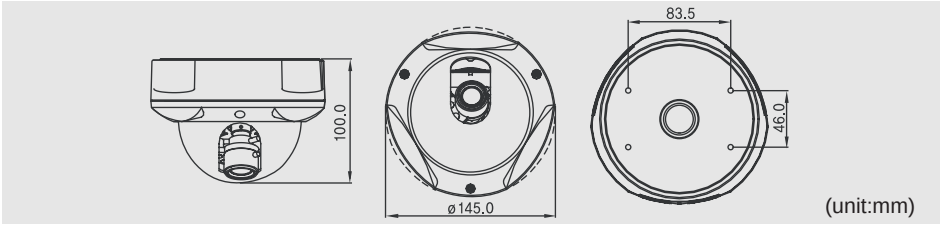
【Specifications】
- Effective Pixels : 380K(N), 440K(P)
- Resolution : More than 520TVL
- Min. Illumination : Color - 0.3lx. at F1.2 , B/W - 0.002lx. (Sense-up) at F1.2
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/120,000sec.
- S/N Ratio : More than 50dB (AGC off)
- ATW Color Temp. Range : 1,800°K ~ 10,500°K
- OSD Functions
  Main Mode : Lens (Manual, DC) , ESC (On/Off, Flickerless), White Balance, BLC, AGC, DNR, Sense-Up (Auto x2~x128,Off)
  Special Mode : Camera ID, Digital Day&Night (On, Auto), SYNC, Sharpness (0~31), Privacy & Motion Detection (4 Zone Position & Size)
- Power Supply : 12VDC Only (Max.160mA) , 24VAC Only (190mA)
- Weight : 350g

1/3″ SONY Color Camera

VRCD-5351



(unit:mm)

[Features]

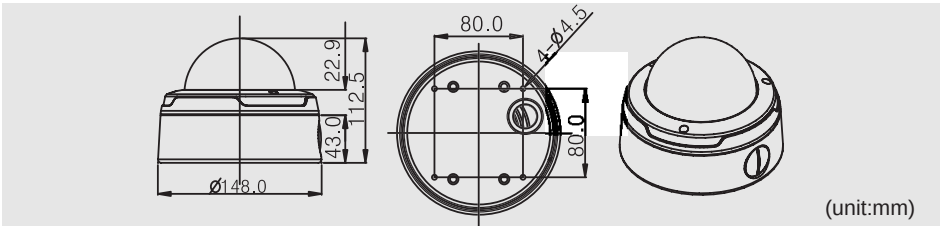
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Digital Day&Night function built-in**
- **DNR (Digital Noise Reduction) mode built-in**
- **Excellent Auto Tracking White Balance & Color Rolling Suppression**
- **Digital Output (ITU-656) optional**
- **Multi OSD function built-in**
- **3 Axis built-in Vandal Resistant Dome Housing**
- **Weather Proof (IP65)**

[Specifications]

- Effective Pixels : 380K(N), 440K(P)
- Resolution : More than 520TVL
- Min. Illumination : Color - 0.3lx. at F1.2 , B/W - 0.002lx. (Sense-up) at F1.2
- Lens : 3.8mm~9.5mm at F1.2, 4.0mm~9.0mm at F1.5 Vari-Focal Auto Iris Lens
- Shutter Speeds : 1/60(N) or 1/50(P)~1/120,000sec.
- S/N Ratio : More than 50dB (AGC off)
- ATW Color Temp. Range : 1,800°K~10,500°K
- OSD Functions
  Main Mode : Lens (Manual, DC) , ESC (On/Off, Flickerless), White Balance, BLC, AGC, DNR, Sense-Up (Auto x2~x128,Off)
  Special Mode : Camera ID, Digital Day&Night (On, Auto), SYNC, Sharpness (0~31), Privacy & Motion Detection (4 Zone Position & Size)
- Power Supply : 12VDC Only (Max.160mA), 24VAC/12VDC (215mA/250mA)
- Weight : 1,100g

1/3″ SONY Color Camera

VRCD-5306



(unit:mm)

[Features]

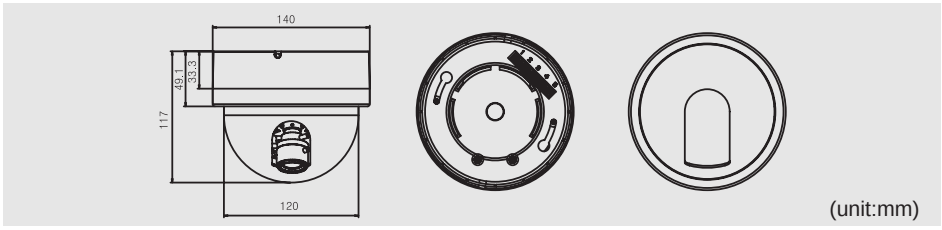
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **WDR (Wide Dynamic Range) function built-in**
- **E- Zoom (x6) function built-in**
- **Multi Automatic function by DIP Switch**
- **3 Axis built-in Vandal Resistant Dome Housing**
- **Weather Proof (IP65)**

[Specifications]

- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : 0.5lx.at F1.2
- Lens : 3.8mm~9.5mm at F1.2, 4.0mm~9.0mm at F1.5 Vari-Focal Auto Iris Lens
- Shutter Speeds : 1/60(N) or 1/50(P)-1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- DIP Switch : WDR, Mirror, E-Zoom (x6), BLC, ESC, AGC
- Power Supply : 12VDC Only (Max. 200mA), 24VAC/12VDC (100mA/300mA)
- Weight : 1,100g

1/3″ SONY Color Camera

CTCD-5351

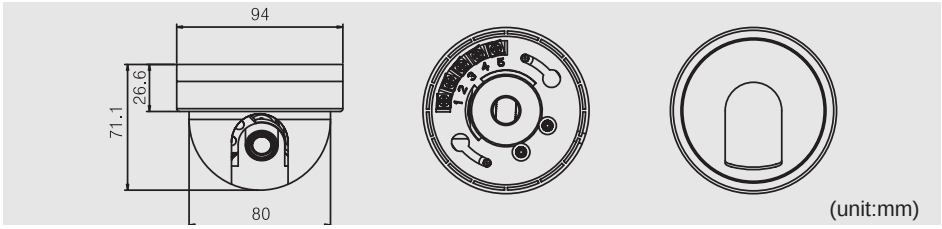


[Features]
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Digital Day&Night function built-in**
- **DNR (Digital Noise Reduction) mode built-in**
- **Excellent Auto Tracking White Balance & Color Rolling Suppression**
- **Digital Output (ITU-656) optional**
- **Multi OSD function built-in**
- **3 Axis built-in 120mm Dome Housing**

[Specifications]
- Effective Pixels : 380K(N), 440K(P)
- Resolution : More than 520TVL
- Min. Illumination : Color - 0.3lx. at F1.2 , B/W - 0.002lx. (Sense-up) at F1.2
- Lens : 3.8mm~9.5mm at F1.2, 4.0mm~9.0mm at F1.5 Vari-Focal Auto Iris Lens
- Shutter Speeds : 1/60(N) or 1/50(P)-1/120,000sec.
- S/N Ratio : More than 50dB (AGC off)
- ATW Color Temp. Range : 1,800°K ~ 10,500°K
- OSD Functions
  Main Mode : Lens (Manual, DC) , ESC (On/Off, Flickerless), White Balance, BLC, AGC, DNR, Sense-Up (Auto x2~x128,Off)
  Special Mode : Camera ID, Digital Day&Night (On, Auto), SYNC, Sharpness (0~31), Privacy & Motion Detection (4 Zone Position & Size)
- Power Supply : 12VDC Only (Max.160mA), 24VAC/12VDC (215mA/250mA)
- Weight : 550g

1/3″ SONY Color Camera

CTCD-3301

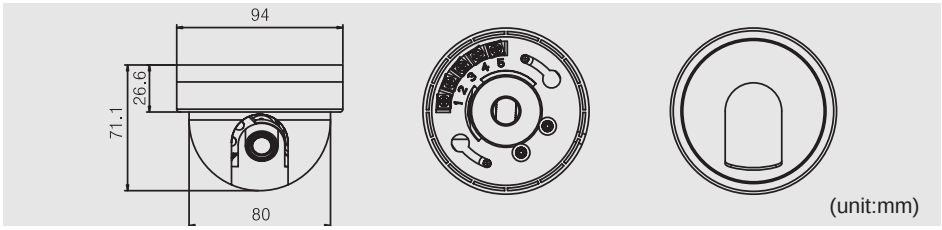


[Features]
- **SONY 1/3" Super HAD Standard Resolution Color CCD**
- **Back Light Compensation**
- **3 Axis built-in 80mm Dome Housing**

[Specifications]
- Effective Pixels : 250K(N), 290K(P)
- Resolution : 380TVL
- Min. Illumination : 0.3lx.at F1.2
- Lens : 2.45mm, 2.97mm, 3.7mm, 4.0mm, 6.0mm, 8.0mm, 12mm, 16mm Fixed Lens
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- White Balance : AWB
- Power Supply : 12VDC Only (Max. 100mA)
- Weight : 250g

1/3″ SHARP Color Camera

CTCD-5321

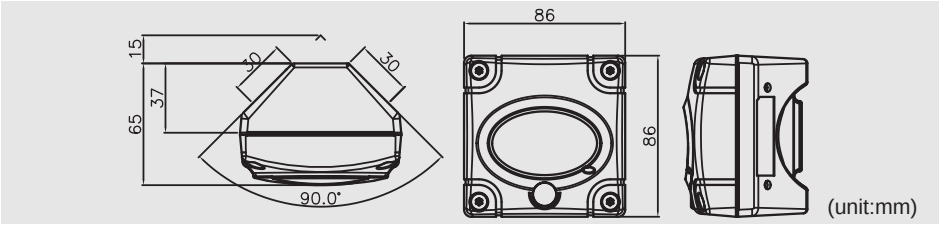


[Features]
- **SHARP 1/3" High Resolution Color CCD**
- **Back Light Compensation**
- **3 Axis built-in 80mm Dome Housing**

[Specifications]
- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : 1.0lx.at F1.2
- Lens : 2.45mm, 2.97mm, 3.7mm, 4.0mm, 6.0mm, 8.0mm, 12mm, 16mm Fixed Lens
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- White Balance : AWB
- Power Supply : 12VDC Only (Max. 100mA)
- Weight : 250g

1/3″ SONY Color Camera

CTCV-4101



[Features]

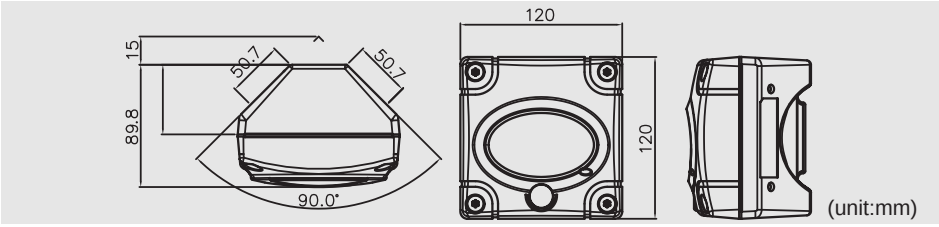
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Back Light Compensation**
- **5" Rugged, High Impact & Vandal Resistant**
- **Mount to Ceiling, Wall or Corner**
- **3 Axis built-in**
- **Weather Proof (IP66)**

[Specifications]

- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : 0.5lx.at F1.2
- Lens : 2.45mm, 2.97mm, 3.7mm, 4.0mm, 6.0mm, 8.0mm, 12mm, 16mm Fixed Lens
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- White Balance : AWB
- Power Supply : 12VDC Only (Max. 160mA)
- Weight : 350g

1/3″ SONY Color Camera

CTCV-4103



[Features]

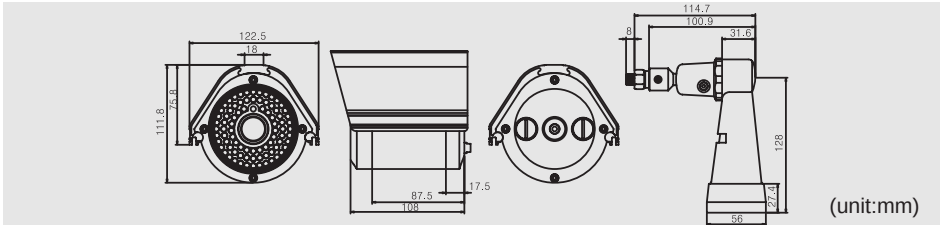
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Back Light Compensation**
- **7" Rugged, High Impact & Vandal Resistant**
- **Mount to Ceiling, Wall or Corner**
- **3 Axis built-in**
- **Weather Proof (IP66)**

[Specifications]

- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : 0.5lx.at F1.2
- Lens : 3.8mm ~ 9.5mm at F1.2, 4.0mm ~ 9.0mm at F1.5 Vari-Focal Auto Iris Lens
- Shutter Speeds : 1/60(N) or 1/50(P)-1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- White Balance : AWB
- Power Supply : 12VDC Only (Max. 180mA)
- Weight : 600g

1/3″ SONY Color Camera

CTNV-5302

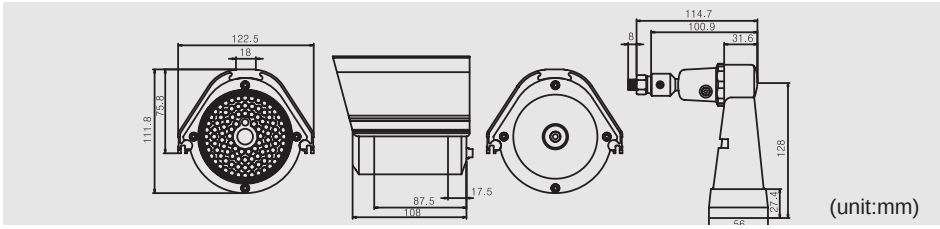


[Features]
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Viewable Length at Night : 60m**
- **IR LED Day & Night Vision Camera**
- **CDS Auto Switching IR-LED control (80pcs)**
- **Multi Automatic function by DIP Switch**
- **Focus, Viewing Angle & DC Level adjustment externally**
- **Weatherproof (IP65)**

[Specifications]
- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : 0lx with IR-LED (80pcs)
- Lens : 3.8mm~9.5mm at F1.2, 4.0mm~9.0mm at F1.5 Vari-Focal Auto Iris Lens
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- DIP Switch : ESC, Flickerless, BLC, AGC
- Power Supply : 12VDC (Normal : 160mA, IR LED On : 1A)
- Weight : 1,700g

1/3″ SONY Color Camera

CTNV-5301S

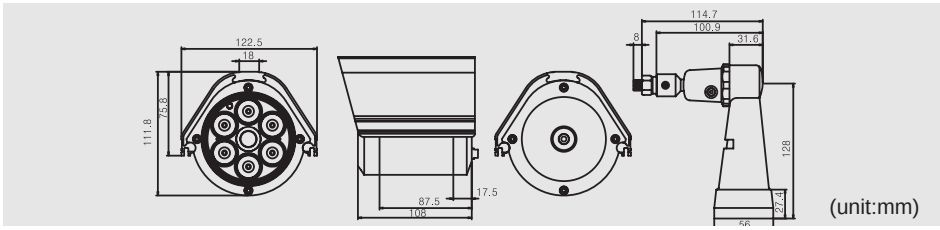


[Features]
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Viewable Length at Night : 60m**
- **IR LED Day & Night Vision Camera**
- **CDS Auto Switching IR-LED control (95pcs)**
- **Multi Automatic function by DIP Switch**
- **Weatherproof (IP65)**

[Specifications]
- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : 0lx with IR-LED (95pcs)
- Lens : 6.0mm, 8.0mm, 12mm, 16mm Fixed Lens
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- White Balance : ATW / AWB
- DIP Switch : ESC, Flickerless, BLC, AGC
- Power Supply : 12VDC (Normal : 160mA, IR LED On : 1A)
- Weight : 1,700g

1/3″ SONY Color Camera

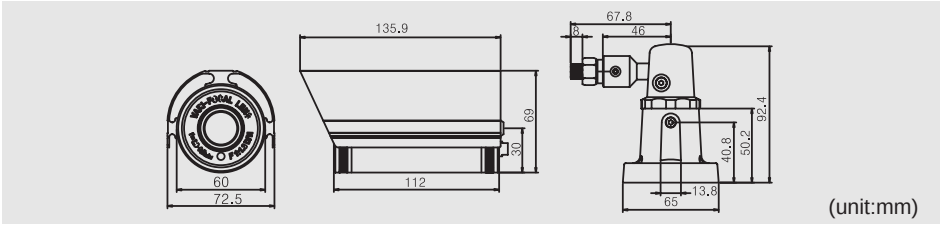
CTNV-5301B



[Features]
- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Viewable Length at Night : 100m**
- **IR LED Day & Night Vision Camera**
- **CDS Auto Switching IR-LED control (6pcs)**
- **Multi Automatic function by DIP Switch**
- **Weatherproof (IP65)**

[Specifications]
- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : 0lx with IR-LED (6pcs)
- Lens : 6.0mm, 8.0mm, 12mm, 16mm Fixed Lens
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- White Balance : ATW / AWB
- DIP Switch : ESC, Flickerless, BLC, AGC
- Power Supply : 12VDC (Normal : 160mA, IR LED On : 3A)
- Weight : 1,700g

CTVB-5304



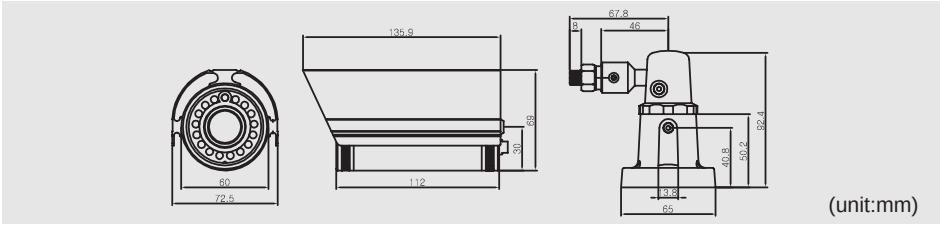
[Features]

- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Filter Changeable Mechanism built-in**
- **Super Low Light Sensitivity**
- **Color & B/W Changing Term selectable**
- **Multi Automatic function by DIP Switch**
- **Viewing Angle & DC Level easy adjustment**
- **Weatherproof (IP65)**

[Specifications]

- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : Color - 0.5lx.at F1.2, B/W . 0.03lx at F1.2
- Lens : 3.8mm~ 9.5mm at F1.2, 2.5mm~6.0mm at F1.3 Vari-Focal Auto Iris Lens
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- White Balance : ATW / AWB
- DIP Switch : Term, Flickerless, BLC, AWB
- Power Supply : 24VAC/12VDC (220mA/250mA)
- Weight : 850g

CTUB-5304



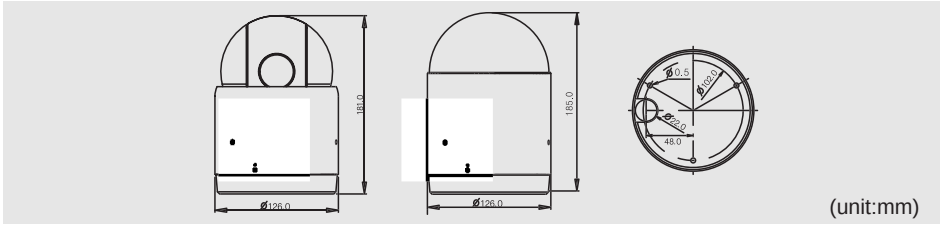
[Features]

- **SONY 1/3" Super HAD High Resolution Color CCD**
- **Filter Changeable Mechanism built-in**
- **Super Low Light Sensitivity**
- **Viewable Length at Night : 30m**
- **IR LED Day & Night Vision Camera**
- **Color & B/W Changing Term selectable**
- **CDS Auto Switching IR-LED control (16pcs)**
- **Multi Automatic function by DIP Switch**
- **Viewing Angle & DC Level easy adjustment**
- **Weatherproof (IP65)**

[Specifications]

- Effective Pixels : 380K(N), 440K(P)
- Resolution : 480TVL
- Min. Illumination : 0lx with IR-LED (16pcs)
- Lens : 3.8mm~9.5mm at F1.2, 2.5mm~6.0mm at F1.3 Vari-Focal Auto Iris Lens
- Shutter Speeds : 1/60(N) or 1/50(P) ~ 1/100,000sec.
- S/N Ratio : More than 48dB (AGC off)
- White Balance : ATW / AWB
- DIP Switch : Term, Flickerless, BLC, AWB
- Power Supply : 24VAC/12VDC (Normal : 210mA/230mA, IR LED On : 330mA/350mA)
- Weight : 990g

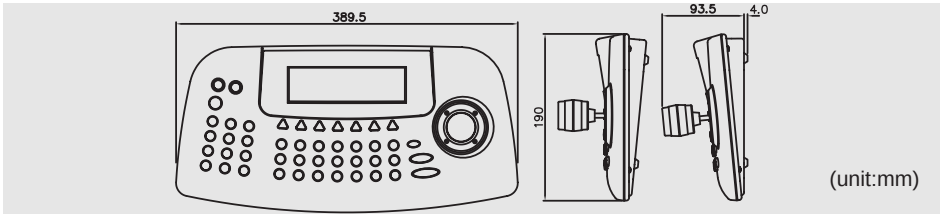
CTSD-5401



[Features]

- 4.9" Surface mount dome. ● 16 Auto scans with programmable speeds & DiagonalScan.
- One 360° Continuous scan mode (Manual control of ZOOM & TILT)
- Max. 32 Zones / 8 programmable zones per screen of image masking for Privacy.
- 4 Memorized user cotrol patterns up to 240 seconds.(speed, position, lens controls)
- 8 Pre-Programmable tours consist of 64 functions. ● 248 Preset positions with ZOOM, FOCUS, BLC & 16 digits of title.
- 180° **DIGITAL QUICK TURN to follow objects under the dome camera.
- 64 Steps variable speed supports 0.1~ 90°/sec of manual controls.
  Three user PREFERENCE OF SPEED CURVES (Slow, Medium, Fast)
- Built-in RS-485/422(Dip switch Selections) : On-site software upgradable, Up-load/ Down-load programmed data into KBD/Dome
- Remote camera power On/Off capability ● Automatic sensing of major dome protocols.

Joystick Controller



[Features]

- 64 Step variable speed pan/tilt control joystic ● Digital quick turn to follow objects(enable/disable)
- Recall 8 pre-programmed tours. ● Recall preset positions up to 248
- Built-in RS-485/422 half duplex mode supports up to 64 ID, Simplex mode supports 256 ID.
- DVR Remote control protocol ● Real time clock

[Specifications]

	NTSC	PAL
Size	1/4 inch, Vertical double density interline CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Optics	30X, f=3.3 to 99.0mm(F 1.6 to 3.2)	
Min. Focus Distance	1000mm	
D. ZOOM	X2, X4, X8	
Angle Field of View	H - Appr. 58.0℃(Wide) to 2.22℃(Tele), V - Appr. 44.8℃(Wide) to 1.68℃(Tele)	
Scanning System	2:1 Interlace	
Synchronization	Internal / Line Lock	
Frequency	Horizontal - 15.734 KHz/Vertical :59.94 Hz	Horizontal - 15.625 KHz/Vertical : 50.00 Hz
Resolution	Color - 520 TV Lines (Min.) , B/W - 570 TV Lines (Min.)	
Video Output	CVBS : 1.0Vp-p/75 Ω	
S/N (Y signal)	50 dB (AGC off,Weight on)	
Min. Illumination	Color - 0.3 Lux at F1.6 (50 IRE) , B/W - 0.05 Lux at F1.6 (50 IRE)	
WDR	52dB	
Day & Night	AUTO / MANUAL (ICR)	
White Balance	ATW / AWC / Manual (1800 °K ≠ 10,500 °K)	
Electronic Shutter Speed	AUTO / MANUAL (X128 ~ 1/60sec ~ 1/120,000sec) Sens-up & Sens-up Limit is selectable	AUTO/MANUAL (X128 ~1/50sec ~ 1/120,000sec), Sens-up & Sens-up Limit is selectable
Communication	RS-232C 9600bps, 19200bps	
SSNR	Low, Middle, High, Off	
Focus	Auto , Manual	
Zoom Movement Speed	5.4 Sec - Wide to Tele	5.2 Sec - Wide to Tele
Privacy Function	ON / OFF(32 Programmable Zone / 8 Programmable Zone per Screen)	
Flip	LEFT / RIGHT, UP / DOWN	
Freeze	On / Off	
IRIS Control	Auto / Manual	
Operating Temperature / Humidity	0℃ to +50℃ / 20% to 80% RH	
Storge Temperature / Humidity	-20℃ to +60℃ / 20% to 95% RH	
Power Consumption	3.15 W - Steady-state (at 9V), 4.5 W - Max. (Zoom,Focus, Day&night motor operating, at 9V)	
Weight	240g	